LUPIZYME Lupin
Peoson (1:3000) 12.5 mg.
diastase (1:2000) 18.75 mg. vit B-12 mg.
B-2 1mg, B-6 1 5 mg, B-12 mcg.
d-panthenol 1 5 mg, nicotinamide 15 mg.
per 5 ml. syrup.

MERCHENZYME MERCK
Bromelains 750 u. pancreatin
400 mg, ox bile 30 mg, tabs.

MOLZYME FDC
Papain 60 mg, diastase (1:150)
3.75 mg, cumin oil 0 05 ml. ajowan
oil 0.015 ml, activated wood
charcoal 100 mg, simethicone 25 mg,
belladonna dry ext. 8 mg, tabs.

NEOPEPTINE RAPTAKOS
Alpha-amylase 200 mg. papain 100 mg.
Vit. B-1 5 mg. B-2 3 mg, B-6 1mg,
B-12 5 mcg, nicotiramide 25 mg,
simethicone 30 mg, caps.

NORMOZYME Uniloids
Fungal diastase 300 mg, papain
25 mg, methylpolysilox. 20 mg,
bile ext. 25 mg, caps.

PANZYNORM German Remedies
Pancreatin 100 mg, bile ext. 40 mg dry
stomach ext. 100 mg. (derived from
approx. 2 g. fresh stomach equivl to
20 mg. pepsin); tabs.

RALCRIZYME Rallis
Pancreatin 150 mg, bileext. 25 mg.
pepsin 5 mg. diastase(1:2000) 10 mg.
dimethyisiloxane 25 mg, drageés.

UNIENZYME Unichem
Fungal diastase (1:75) 200 mg, papain 30 mg,
simethicone 50 mg, nicotinamide 25 mg,
acephenolisatin 0 5 mg, dipherihydramin hcl
20 mg, activated charcoal 75 mg: tabs.

VIZYLAC Unichem
Lactobacilus sporogenes 40 millio spores, fungaldiastase (1:75) 250 mg, papain 20 mg,
methylpolysilox. 40 mg vit. B-1 2 mg, B-2 2.5
mg, B6 0.5 mg, nicotinamide 15 mg, folic
acid 75 mcg, d-panthenol 1 mg: caps.

Statement-II

Enzyme preparations moving in the market contain Amylase and Diastase (carbohydrate splitting enzyme); Lipase (fat splitting enzyme); Protease (protein splitting enzyme); Pancreatase (enzyme found in pancreas for digestion). They are promoted in digestive disorders such as indigestion and also in pancreatic insufficiency conditions such as cysticfibrosis, chronic pancreatitis, etc. Some of the preparations were found to contain enzymes which are active in acid pH and some in alkalin pH. Examination also revealed that some enzymes could act only in critical pH and may not be very stable. It was considered that the manufacturers of enzyme preparations must ensure that their preparations should be stable, ingredients present in the preparation should be compatible with each other and should be present in therapeutic doses in the formula.

The experts had opined that enzyme preparations containing non-enzyme ingredient such as intestinal sedatives (*e.g.* diphen hydramine) or laxatives or antispasmodics should be subjected to clinical trials. The experts have asked the manufacturers to prove the advantages of adding non-enzyme ingredients in enzyme preparations through controlled clinical trials.

Marketing of Central Activators

2634. SHRI P. N. SUKUL:
DR. (SHRIMATI) SAROJINI MAHISHI:

Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) what are the Central Activators being marketed in the country;

(b) when the permission for each was granted;

(c) whether it is a fact that Narmabrain, Encephabel and Pristam are being marketed in the country;

(d) whether it is also a fact that these products are irrational;

(e) what is the justification in allowing the marketing of each product;

(f) what is the composition of each and the price at which each is being sold;

(g) what are the details of side effects, centre-indication and dangerous effects of each product;

(h) whether it is a fact that the Ministry of Health and Family Welfare are proposing to withdraw these products; and

(i) if so, when and if not, the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF HEALTH AND FAMILY WELFARE (SHRI RAFIQUE ALAM): (a) to (c) The drugs Pyritinel Hydrochloride and Piracetam are marketed in India under a popular classification "Corebral Activators". Permission was granted to these drugs in late 1960. These drugs are marketed under different brand names such as Encephebael, Normabrain, Piratam, etc.

(d) No, Sir.

(e) Does not arise.

(f) and (g) The composition of cerebral activators the retail price of each brand as well as side effects and centre-indications is given in the Monthly Index of Medical Specialities, Volume 9, No. 7, July, 1989 published by MIMS India, No. 90, Nehru Place, New Delhi-110019.

(h) No, Sir.

(i) Does not arise.

Contents of Tonics being marketed in the country

2635. SHRI CHITTA BASU: Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) whether it is a fact that Tonics being markeed in the counry contain Glycerophosphate, Alcohol and CNS stimulants;

(b) if so, the names of ten leading brands;

(c) wha are the names of the producers of each tonic containing these ingredients;

(d) what is the price at which each is being sold at present;

(e) whether it is a fact that such a combinaion is irrational;

(f) whether it is also a fact that based on these ingredients which are useless, the producers are looting the consumer;

(g) whether it is a fact that these combinations have been considered by expert committee set up for weding irrational combinations; and

(h) if so, what is their reaction and what steps have been taken in the consumers' interest?

THE MINISTER OF STATE OF THE MINISTRY OF HEALTH AND FAMILY WELFARE (SHRI RAFIQUE ALAM): (a) Yes, Sir.

(b) to (d) A statement is enclosed. (*See* below).

(e) to (h) Tonics are being studied by expert group from the angle of rationality for placing its view before Drugs Consultative Committee.

Statement

Name of the tonic	Manufacturers	Retail price as given in MIMS (India) July, 1989
B.G. Phos	M/s. Merind	200 ml bottle —Rs. 15.41
Calron	M/s. East India Pharmaceuticals	200 ml bottle —Rs. 15.02
Ciltone	M/s. Duphar	240 ml. bottle —Rs. 10.50
Embelix	M/s. May & Baker	200 ml. bottle —Rs. 19.50
Hemiphos	M/s. Goffery Manners	225 ml. bottle—Rs. 10.65
J. P. Tone	M/s. Jagson Pal	200 ml. bottle —Rs. 23.61
Kinetone	M/s. Boots (India)	200 ml. bottle —Rs. 13.60
Metatone	M/s. Parke Davis	170 ml. bottle —Rs. 15.62
Nervitone	M/s. Alembic	250 ml. bottle —Rs. 17.50
Neurophesphates	M/s. Eskayef	300 ml. bottle —Rs. 22.50